

FIG. 1

FIG. 2

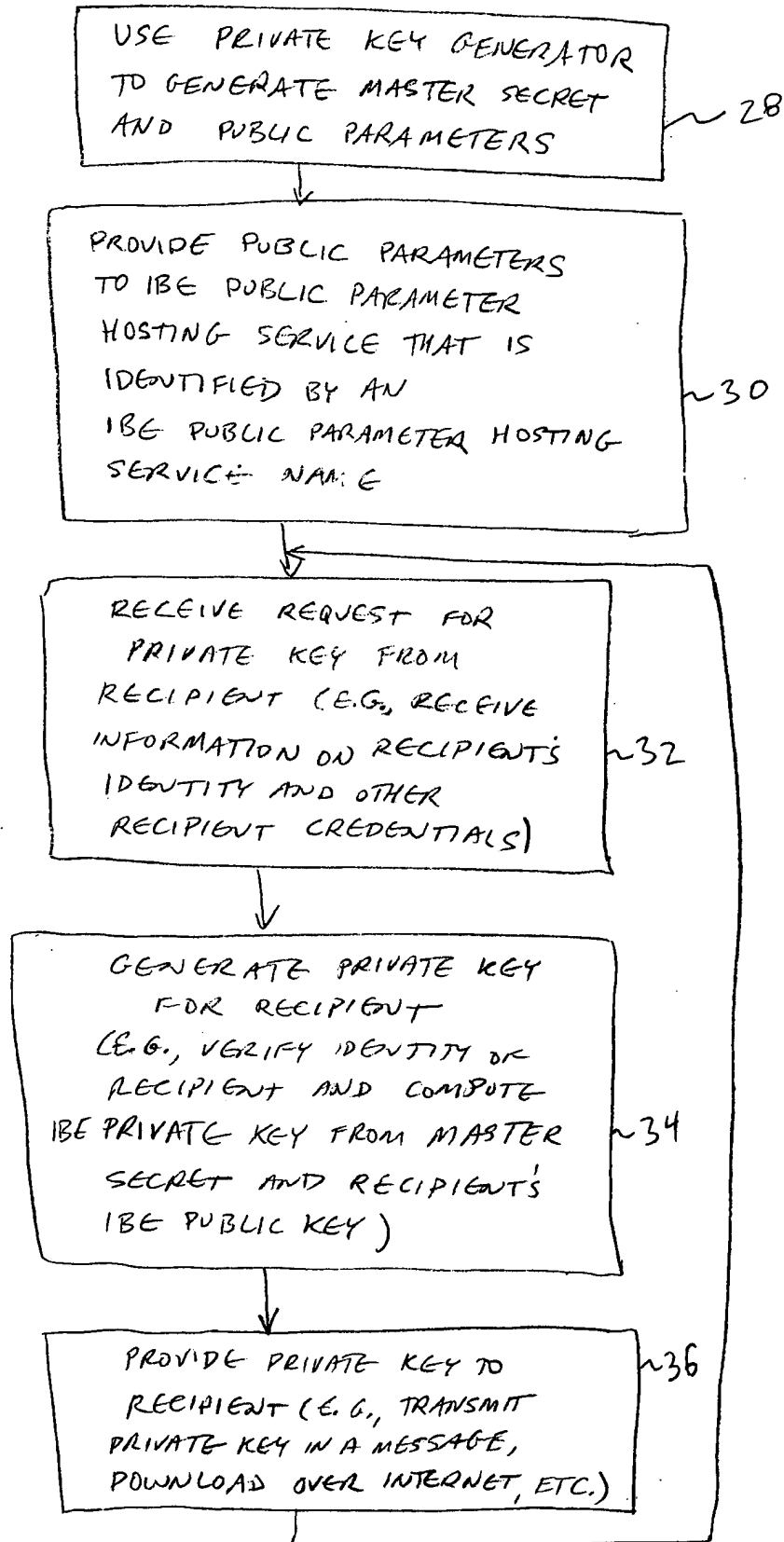


FIG. 3

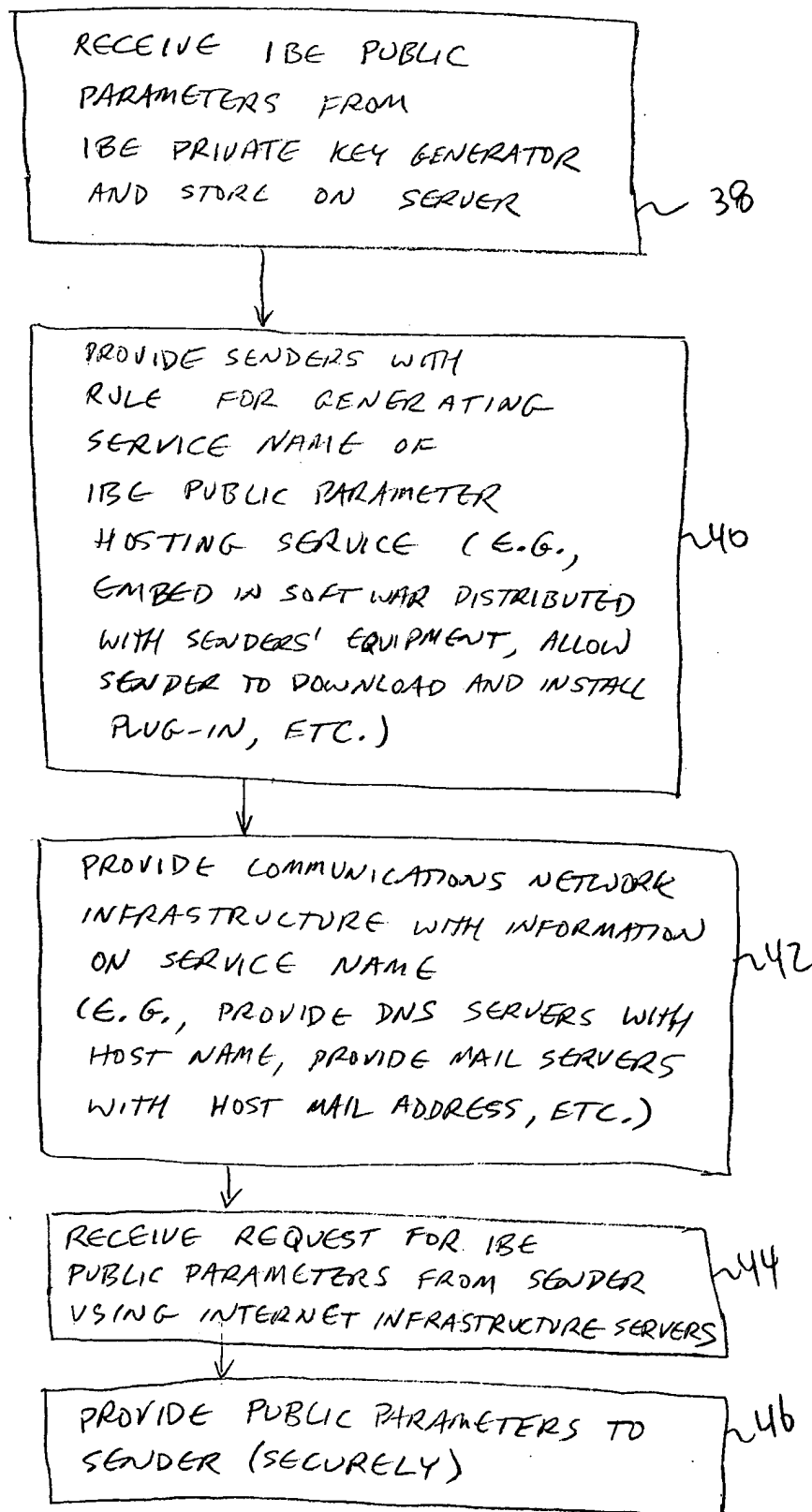
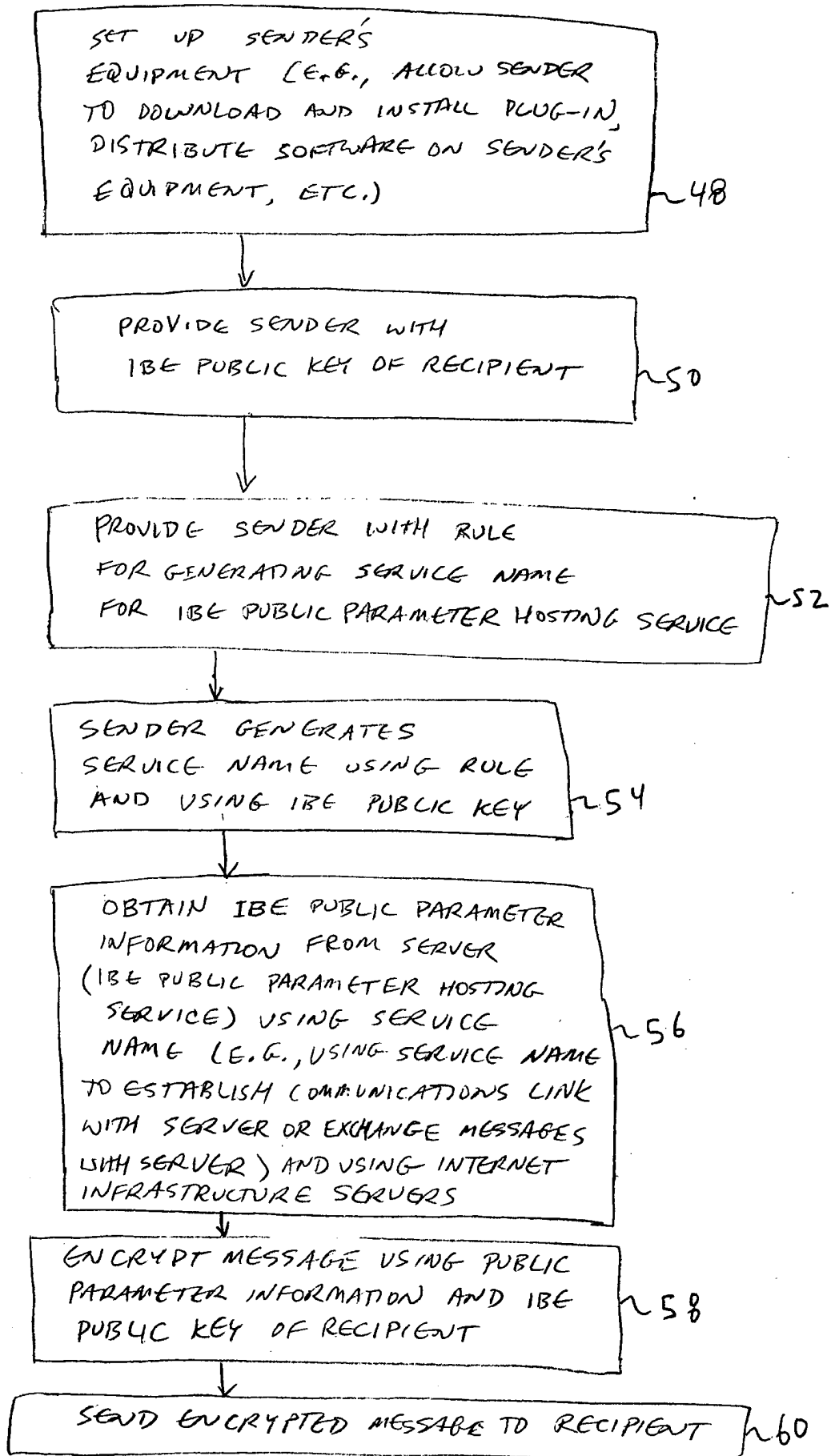


FIG. 4



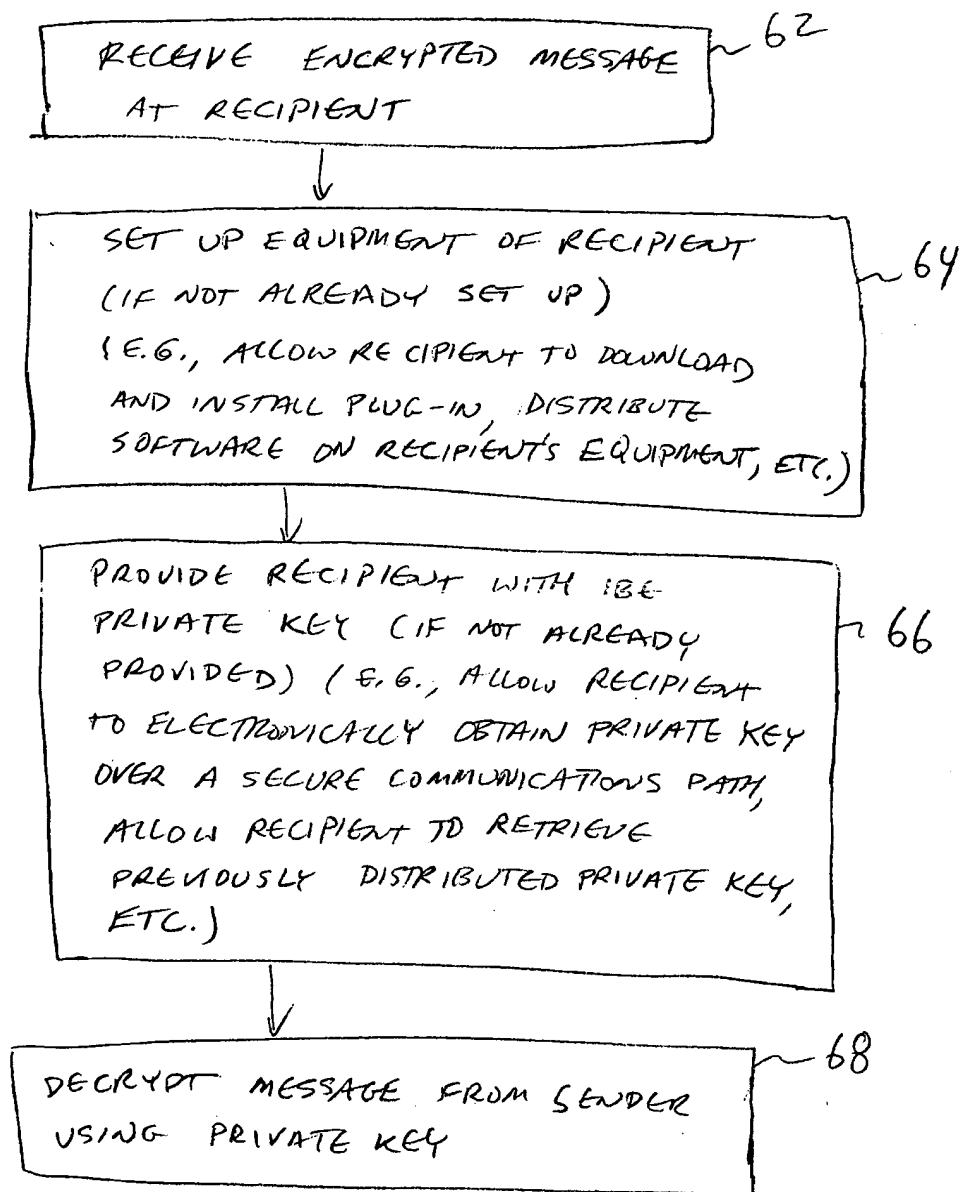


FIG. 5

SENDER USES IBE PUBLIC KEY
OF RECIPIENT AND RULE
TO GENERATE SERVICE NAME OF
HOST SERVER (E.G., SENDER
PREPENDS A SPECIAL STRING
TO THE DOMAIN NAME PORTION OF
RECIPIENT'S MESSAGE ADDRESS)

70

SENDER USES SERVICE NAME TO ESTABLISH
SECURE COMMUNICATIONS LINK TO HOST
(E.G., SENDER QUERIES A DNS SERVER
FOR AN IP ADDRESS ASSOCIATED WITH
THE HOST NAME AND ESTABLISHES AN
https:// CONNECTION WITH THE HOST).
AS PART OF SECURE LINK SET UP PROCEDURE,
HOST PROVES ITS IDENTITY TO SENDER
(E.G., BY PROVIDING SENDER WITH A CERTIFICATE
THAT CONTAINS HOST IDENTITY INFORMATION
THAT THE SENDER COMPARES TO THE
SERVICE NAME)

72

SENDER REQUESTS AND RECEIVES
IBE PUBLIC PARAMETER INFORMATION
FOR RECIPIENT OVER SECURE LINK

74

FIG. 6

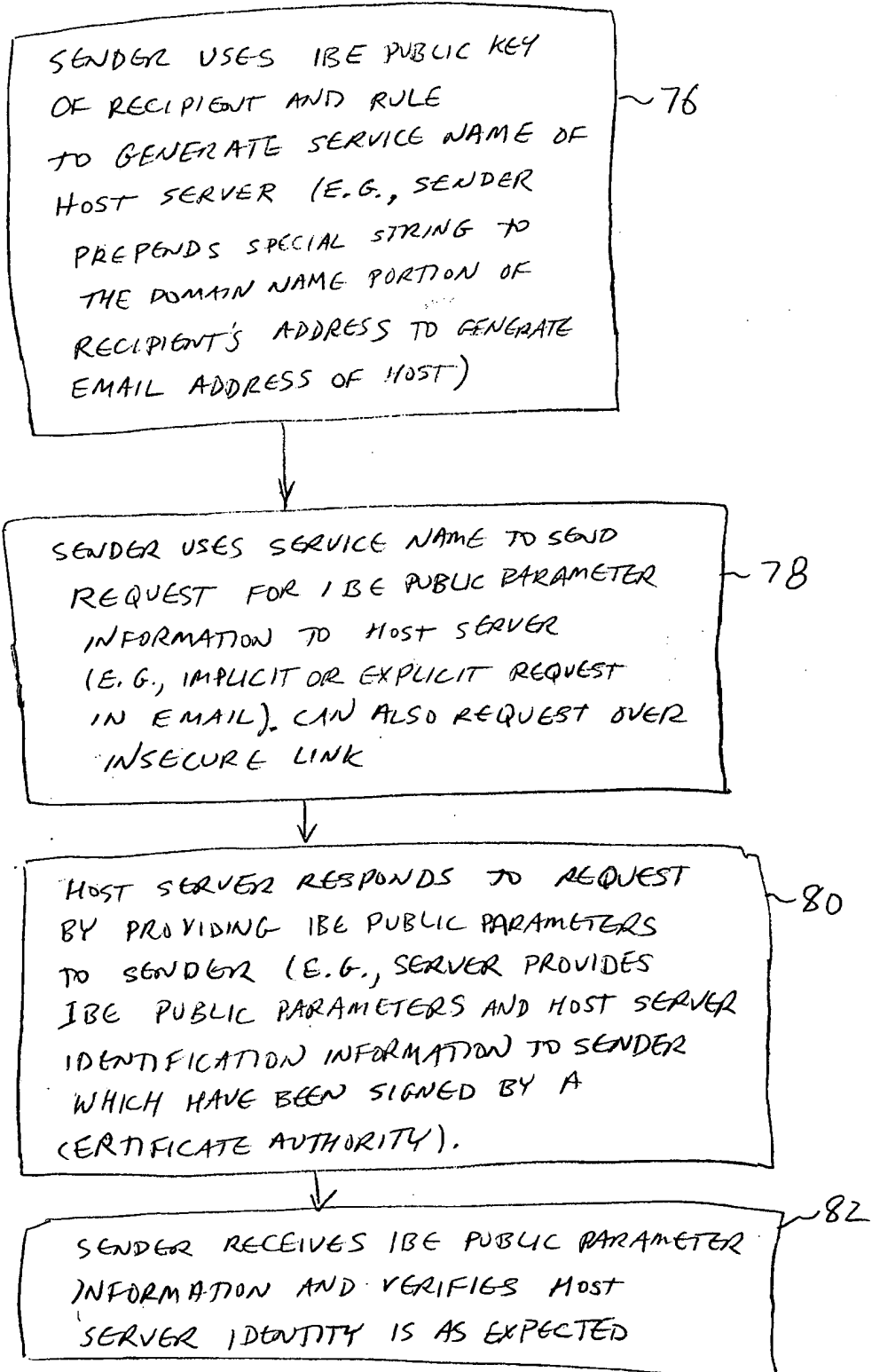


FIG. 7

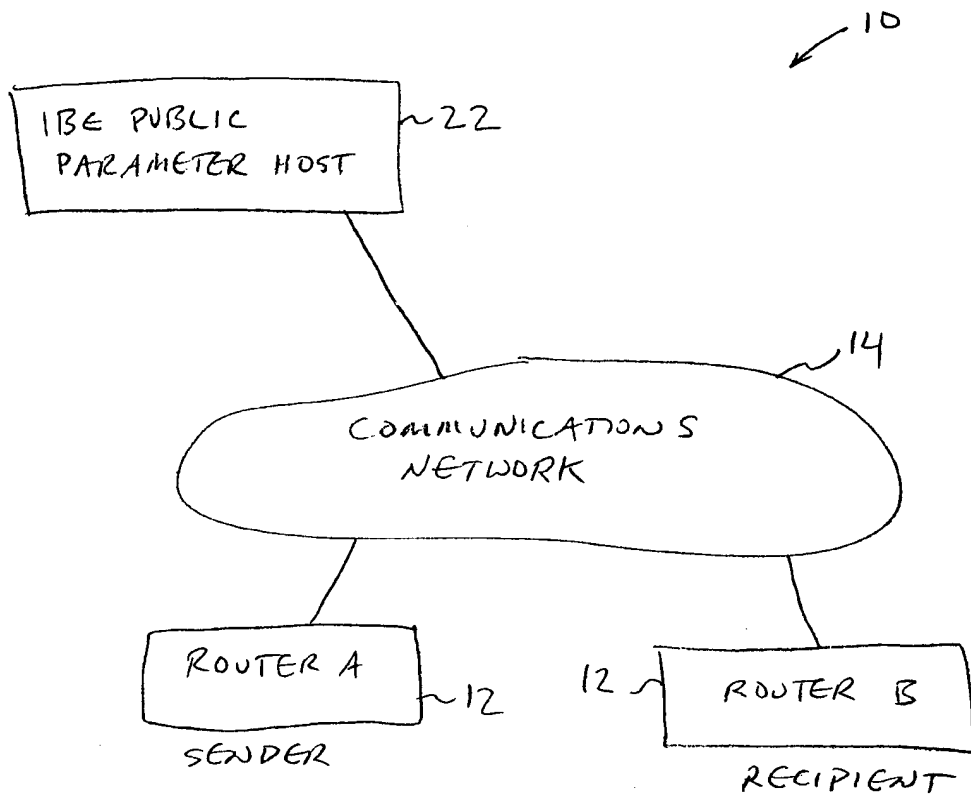


FIG. 8